What is claimed is:

- 1. A data delivering method delivering data to a device which is connected to a network, comprising:
- transmitting structure information including information for collecting element data from a first device to a second device;

collecting element data by the second device according to the structure information; and

- 10 transmitting the element data collected by the second device to a third device.
- A data delivering method delivering data to a device which is connected to a network,
 comprising:

generating structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device which collects the element data, and third information for identifying the destination device;

collecting element data according to the first information by the device identified by the second information; and

25 delivering the collected element data from the

device identified by the second information to the destination device identified by the third information.

5 3. The method according to claim 2, wherein the structure information includes fourth information for assembling collected element data; and

the collected element data is delivered to the destination device after being assembled by the device identified by the second information according to the fourth information.

The method according to claim 2, wherein:
 the structure information includes fourth information for assembling collected element data;
 and

the collected element data is assembled by the destination device according to the fourth 20 information.

5. The method according to claim 2, wherein: the third information specifies a destination group including a plurality of destination devices; and

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the device identified the second by information delivers the element data to the plurality of destination devices belonging to thedestination the group specified bv third information.

- 6. The method according to claim 2, wherein the destination device identified by the third information is set as the device identified by the 10 second information in the structure information.
 - 7. A data delivering method delivering data from a source device to a destination device in a system including the source device, a first relay device, a second relay device connected to the first relay device in series, and the destination device, comprising:

generating structure information by the source
device;

- collecting first element data by the first relay device according to the structure information; collecting second element data by the second relay device according to the structure information; and
- delivering the first and the second element

data from the second rely device to the destination device.

- 5 8. The method according to claim 7, wherein the first element data is delivered from the first relay device to the destination device.
- 9. A data delivering method delivering data

 10 from a source device to a destination device in a

 system including the source device, a first relay

 device, and second and third relay devices arranged

 in parallel, comprising:

generating structure information by the source device;

collecting first element data by the first relay device according to the structure information;

collecting second element data by the second relay device according to the structure information;

delivering the first and the second element data from the second relay device to a destination device connected to the second relay device;

collecting third element data by the third relaydevice according to the structure information;

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delivering the first and the third element data from the third relay device to a destination device connected to the third relay device.

- 10. A data delivering method delivering data from a source device to a destination device in a system including the source device, a first relay device, a plurality of second relay devices arranged in parallel, comprising:
- generating, by the source device, structure information including information specifying a relay device group including a plurality of second relay devices;

collecting first element data by the first relaydevice according to the structure information;

recognizing, by the first relay device, the plurality of second relay devices belonging to the relay device group specified by the structure information;

delivering the first element data to the plurality of second relay devices;

respectively collecting element data by the plurality of second relay devices according to the structure information; and

25 delivering the first element data and the

element data collected by the plurality of second relay devices from the plurality of second relay devices to corresponding destination devices.

5 11. A data delivering system delivering data to a device which is connected to a network, comprising:

a first device which generates structure information indicating element data to be delivered to a destination device; and

a second device which receives the structure information from the first device, collects the element data according to the structure data, and delivers the element data to the destination device.

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and

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12. A data delivering system delivering data to a device which is connected to a network, comprising:

a first device which generates structure information including first information for identifying element data to be delivered to a destination device, second information identifying a device which collects the element data, and third information for identifying the destination device;

a second device which receives the structure information from said first device, collects the element data according to the first information, and delivers the collected element data to the destination device according third to the information, when identified by the second information.

- 13. A data delivering system delivering data from a source device to a destination device in a system including the source device, a first relay device, a second relay device connected to the first relay device in series, and the destination device,
- 15 said source device generates structure information,

said first relay device collects first element data and transmits it to said second relay device according to the structure information,

- 20 said second relay device collects second element data and delivers the first and second element data according to the structure information.
- 14. A data delivering system delivering data25 from a source device to a destination device in a

system including the source device, a first relay device, and second and third relay devices arranged in parallel, -

said source device generates structure
5 information,

said first relay device collects first element data and transmits it to the second and third relay devices according to the structure information,

said second relay device collects second element data and delivers the first and second element data to a destination device connected to said second relay device according to the structure information,

said third relay device collects third element

data and delivers the first and third element data
to a destination device connected to said third relay
device according to the structure information.

data delivering system where structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device that collects the element data, and third information for identifying the destination device is generated,

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the device identified by the second information collects the element data according to the first information, and the collected element data is delivered from the device identified by the second information to the destination device identified by the third information, comprising:

a generating unit generating the structure information; and

a transferring unit transferring the structure

10 information to the device identified by the second information.

delivering system where structure information including first information for identifying element data to be delivered to a destination device, second information for identifying the relay device that collects the element data, and third information for identifying the destination device is generated by a delivery source device, and the element data identified by the first information is collected and delivered to the destination device according to the third information, comprising:

a collecting unit collecting element data 25 according to the first information; and

a transferring unit transferring the element data collected by said collecting unit to the destination device identified by the third information.

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17. A storage medium having computer readable program code, comprising:

first program code generating structure information including first information 10 identifying element data to be delivered to a destination device, second information identifying a device that collects the element data, and third information for identifying destination device; and

second program code transferring the structure information to a device identified by the second information.

18. A storage medium having computer
20 readable program code, comprising:

first program code analyzing structure information including first information for identifying element data to be delivered to a destination device, and second information for identifying the destination device;



second program code collecting element data according to the first information; and

third program code transferring the element data to the destination device according to the second information.